

SK  
PCT09

## RAW SEQUENCE LISTING

DATE: 09/14/2001

PATENT APPLICATION: US/09/830,876

TIME: 10:26:29

Input Set : A:\Q64066 Sequence.ST25.txt

Output Set: N:\CRF3\09142001\I830876.raw

3 <110> APPLICANT: SKERRITT, John H.  
 5 <120> TITLE OF INVENTION: DETECTION OF PREHARVEST SPROUTING IN CEREAL GRAINS  
 7 <130> FILE REFERENCE: Q64066  
 9 <140> CURRENT APPLICATION NUMBER: US 09/830,876  
 10 <141> CURRENT FILING DATE: 2001-05-02  
 12 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00995  
 13 <151> PRIOR FILING DATE: 1999-11-11  
 15 <150> PRIOR APPLICATION NUMBER: PP7058  
 16 <151> PRIOR FILING DATE: 1998-11-11  
 18 <160> NUMBER OF SEQ ID NOS: 5  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 15  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Triticum aestivum  
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 34 <211> LENGTH: 10  
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 45 <211> LENGTH: 10  
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 47 <213> ORGANISM: Triticum aestivum  
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 56 <211> LENGTH: 425  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Triticum aestivum  
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 66 Ala Ser Leu Ala Ser Gly Gln Val Leu Phe Gln Gly Phe Asn Trp Glu  
 67 20 25 30  
 70 Ser Trp Lys His Asn Gly Gly Trp Tyr Asn Phe Leu Met Gly Lys Val  
 71 35 40 45  
 74 Asp Asp Ile Ala Ala Ala Gly Val Thr His Val Trp Leu Pro Pro Ala  
 75 50 55 60  
 78 Ser Gln Ser Val Ser Glu Gln Gly Tyr Met Pro Gly Arg Leu Tyr Asp  
 79 65 70 75 80

ENTERED

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82 Leu Asp Ala Ser Lys Tyr Gly Asn Lys Ala Gln Leu Lys Ser Leu Ile
83      85      90      95
86 Gly Ala Leu His Gly Lys Gly Val Lys Ala Ile Ala Asp Ile Val Ile
87      100      105      110
90 Asn His Arg Thr Ala Glu Arg Lys Asp Gly Arg Gly Ile Tyr Cys Ile
91      115      120      125
94 Phe Glu Gly Gly Thr Pro Asp Ala Arg Leu Asp Trp Gly Pro His Met
95      130      135      140
98 Ile Cys Arg Asp Asp Arg Pro Tyr Ala Asp Gly Thr Gly Asn Pro Asp
99 145      150      155      160
102 Thr Gly Ala Asp Phe Gly Ala Ala Pro Asp Ile Asp His Leu Asn Pro
103      165      170      175
106 Arg Val Gln Lys Glu Leu Val Glu Leu Asn Trp Leu Arg Thr Asp
107      180      185      190
110 Ile Gly Phe Asp Gly Trp Arg Phe Asp Phe Ala Lys Gly Tyr Ser Ala
111      195      200      205
114 Asp Val Ala Lys Ile Tyr Val Asp Arg Ser Glu Ala Ser Phe Ala Val
115      210      215      220
118 Ala Glu Ile Trp Thr Ser Leu Ala Tyr Gly Gly Asp Gly Lys Pro Asn
119 225      230      235      240
122 Leu Asn Gln Asp Pro His Arg Gln Glu Leu Val Asn Trp Val Asn Lys
123      245      250      255
126 Val Gly Gly Ser Gly Pro Gly Thr Thr Phe Asp Phe Thr Thr Lys Gly
127      260      265      270
130 Ile Leu Asn Val Ala Val Glu Gly Glu Leu Trp Arg Leu Arg Gly Thr
131      275      280      285
134 Asp Gly Lys Ala Pro Gly Met Ile Gly Trp Trp Pro Ala Lys Ala Val
135      290      295      300
138 Thr Phe Val Asp Asn His Asp Thr Gly Ser Thr Gln His Met Trp Pro
139 305      310      315      320
142 Phe Pro Ser Asp Arg Val Met Gln Gly Tyr Ala Tyr Ile Leu Thr His
143      325      330      335
146 Pro Gly Pro Pro Cys Ile Phe Tyr Asp His Phe Phe Asp Trp Gly Leu
147      340      345      350
150 Lys Glu Glu Ile Asp Arg Leu Val Ser Ile Arg Thr Arg Gln Gly Ile
151      355      360      365
154 His Ser Glu Ser Lys Leu Gln Ile Ile Glu Ala Asp Ala Asp Leu Tyr
155      370      375      380
158 Leu Ala Glu Ile Asp Gly Lys Val Ile Val Lys Leu Gly Pro Arg Tyr
159 385      390      395      400
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166 Lys Asp Tyr Ala Ile Trp Glu Lys Ile
167      420      425
170 <210> SEQ ID NO: 5
171 <211> LENGTH: 10
172 <212> TYPE: PRT
173 <213> ORGANISM: Triticum aestivum
175 <400> SEQUENCE: 5

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177 Lys Val Gly Gly Ser Gly Pro Gly Thr Thr  
178 1 5 10

VERIFICATION SUMMARY

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